

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1.(Currently Amended) An ~~traffic-generating~~ apparatus to generate a data stream in a block spreading-code division multiple access mobile communication system, the apparatus comprising:

a chip spreading unit ~~to~~for generate a first data stream including m spread symbols by spreading n the predetermined number of symbols using by a one spreading code; and

a symbol generating unit ~~to~~for generating a second data stream including the first data stream, a forward guard data stream and a backward guard data stream,

wherein the symbol generating unit generates the forward guard data stream symbols-by repeatedly copying a first spread symbol among of m the spread-symbols by p the number of times to make reduction of interference due to multiple paths possible, generating the backward guard data stream symbols-by repeatedly copying a plurality of rear spread symbols among m of the spread symbols using in a mirror manner, starting from a last spread symbol among of m the spread symbols, by r the number of times to make reduction of interference due to multiple paths possible, and outputting the generated forward and backward guard symbols, and each of m, n, p, q and r is an integer greater than or equal to 1.

2. (Currently Amended) The ~~traffic-generating~~ apparatus as set forth in claim 1, wherein the symbol generating unit comprises:

a latch circuit ~~to~~for latching and outputting thea first spread symbol repeatedly input from the chip spreading unit during a first predetermined time period of time;

a delay circuit to for delaying the first data stream and outputting symbols input from the chip spreading unit by a second time period identical to the first of time period of output of the latch circuit;

a buffer ~~to for receiving and storing~~ m spread ~~the predetermined number of symbols,~~
starting from ~~the a last spread symbol among m of the spread~~ symbols input from the chip spreading
unit, and outputting m spread the stored symbols ~~using in a~~ last in first out (LIFO) manner; and

a multiplexer ~~to for generating the~~ second data stream by multiplexing first symbol output
~~off from~~ the latch circuit as the forward guard data stream symbol, ~~outputting the output of the delay~~
circuit as the first data stream, and ~~outputting the symbols output of from~~ the buffer as the backward
guard data stream symbols.

3. (Currently Amended) A method ~~to for~~ generate a data streaming traffic in a block
spreading-code division multiple access mobile communication system, the method comprising the
steps of:

generating a first data stream including m spread symbols by spreading n ~~the predetermined~~
number of symbols using a by one spreading code; and

generating a second data stream including the first data stream, a forward guard data stream
and a backward guard data stream ~~and outputting forward guard symbols by repeatedly copying a~~
first symbol of the spread symbols by the number of times to make reduction of interference due to
multiple paths possible,;

~~outputting the spread symbols successively after the output of the forward guard symbols;~~
and

generating wherein the forward guard data stream is generated by repeatedly copying a first
spread symbol among m symbols by p times, the backward guard data stream is generated symbols
by repeatedly copying a plurality of rear spread symbols of among m the spread symbols using in a
mirror manner, starting from a last spread symbol among of them spread symbols, by the number of
times, and each of m, n, p, q and r is an integer greater than or equal to 1 ~~to make reduction of~~
interference due to multiple paths possible, ~~and outputting the generated backward guard symbols~~
successively after the output of the spread symbols.

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)